



Asphalt Plant Permit Application

Bureau of Air Quality

Part IID

1. Company Name: _____
 Plant Designation (e.g. Plant #3): _____
 Plant Superintendent: _____ Phone No.: (____) _____

2. Plant Data:
 A. Manufacturer's Name and Model No.: _____
 B. Original Date of Manufacture: _____ Plant Reconstructed? ☐ Yes ☐ No
 C. Type of Plant: ☐ Batch ☐ Drum ☐ Continuous
 D. If Plant is to be used to Recycle Asphalt, Give % Recycle: _____
 E. Dryer Capacity (tons/hr.): _____ Rated _____ Actual _____

3. Burner Data:
 Manufacturer's Name and Model No.: _____ Rated BTU/hr.: _____

4. Fuel Data (indicate all units):

Fuel Type and Grade	BTU Content	% Sulfur by weight	% Ash by weight	Consumption @ rated capacity
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

5. Stack Data:
 Height Above Ground _____ ft. Gas Velocity _____ ft./sec.
 Inside Diameter _____ ft. Temperature _____ °F
 Est. Moisture _____ % Location (UTM or Lat./Long) _____

6. Description of Air Pollution Control Equipment:

A. _____ Wet Scrubber:
 Type: ☐ Spray Chamber ☐ Venturi (design pressure drop _____ in. of H₂O) ☐ Other
 Manufacturer's Name and Model No.: _____
 Number & Size of Nozzles: _____ H₂O Flow Rate: _____ gal./min.
 Collection Efficiency: _____ % Design H₂O Pressure: _____ PSIG

B. _____ Baghouse:
 Manufacturer's Name and Model No.: _____
 Cleaning Mechanism: ☐ Shaker ☐ Reverse Air ☐ Pulse Jet ☐ Other
 Time to Complete Cleaning Cycle: _____ min. Bag Dimensions: _____ x _____ in.
 Number & Type of Bags: _____ Air to Cloth Ratio: _____ ft./min.
 Collection Efficiency: _____ % Design Pressure Drop: _____ in. of H₂O

C. _____ Other (specify): _____

7. Particulate Emissions at Rated Capacity: _____ lb./hr.
 Method of Estimation: _____

8. Normal Operating Schedule: _____ hours/day _____ days/week _____ weeks/year
 Seasonal Variation: Dec. - Feb. _____ % Mar. - May _____ % June - Aug. _____ % Sept. - Nov. _____ %

9. How will waste material from process and control equipment be disposed of? _____

10. Are any of materials subject to provisions of the S.C. Hazardous Waste Management Act or Regulations to be used in this plant? (specify): _____

PART IID PERMIT APPLICATION INSTRUCTIONS FOR COMPLETING

PURPOSE:

To obtain the information needed to process applications for air permits and to maintain these permits. The information requested is used to determine whether a source must meet State and/or Federal Regulations and if the source is capable of achieving the applicable standards.

EXPLANATION AND DEFINITION:

Any person who plans to construct, alter, or operate a source that emits air contaminants, including the installation of any device for the control of air contaminants shall first obtain a permit from the Department. A hot-mix asphalt plant is defined "as any facility used to manufacture asphalt concrete by heating and drying aggregate and mixing with asphalt cement".

Item By Item Instructions:

Item 1. Company name for permit.

If the parent company owns more than one plant, identify the plant designation by plant number (e.g. Plant #1).

Name of plant superintendent and telephone number.

Item 2A. Manufacturer's name & model number.

Item 2B. Indicate original date of manufacture. A plant being reconstructed refers to replacement of depreciable components of an existing facility.

Item 2C. Indicate type of plant.

Item 2D. "Recycle asphalt" means asphalt materials reprocessed from highways, roadways, airstrips, etc.

Item 2E. Indicate rated and actual capacity in tons/hr of dryer.

Item 3. Provide burner data including manufacturer's name and model number.

Item 4. Indicate type and grade of fuel (e.g., no. 4 fuel oil, natural gas, etc.). Also for multiple fuels indicate whether primary (P), secondary (S), or in combination (C). Under "Consumption" indicate gallons or ft³ per hour.

Item 5. Provide stack data specifications.

Item 6. Describe all types of air pollution control equipment, i.e., wet scrubber, baghouse, etc.

Item 7. Provide rated capacity in tons/hr for particulate emissions. Under "Method of Estimating Emissions" indicate whether stack test, AP-42, material balance, engineering calculations, etc.

Item 8. Indicate operating schedule including normal operation and seasonal variation.

Item 9. Indicate procedures that will be taken to dispose of waste material.

Item 10. Indicate if materials are regulated under the South Carolina Hazardous Waste Management Act or if any materials are suspected to be harmful to human health/welfare or plant/animal life.

OFFICE MECHANICS AND FILING:

In accordance with retention schedule HEC-AQC-3 break file at the end of each fiscal year, retain within the Agency for five additional years and then destroy.